

**REGISTRATION STATEMENT FOR THE GENERAL VIRGINIA POLLUTANT DISCHARGE  
ELIMINATION SYSTEM (VPDES) PERMIT FOR CONCRETE PRODUCTS FACILITIES**

**1. APPLICANT INFORMATION**

- A. Name of Facility: \_\_\_\_\_
- B. Facility Owner: \_\_\_\_\_
- C. Owner's Mailing Address
- a. Street or P.O. Box \_\_\_\_\_
- b. City or Town \_\_\_\_\_ c. State \_\_\_\_\_ d. Zip Code \_\_\_\_\_
- e. Phone Number \_\_\_\_\_
- f. Email address (if available, not required) \_\_\_\_\_
- g. Indicate if the applicant would like the permit to be transmitted electronically. Yes \_\_\_\_ No \_\_\_\_
- D. Facility Location: \_\_\_\_\_  
(Street Number, Route Number, or Other Identifier)
- E. Is the operator of the facility also the owner? Yes \_\_\_\_ No \_\_\_\_ If "No", complete F & G.
- F. Name of Operator: \_\_\_\_\_
- G. Operator's Mailing Address
- a. Street or P.O. Box \_\_\_\_\_
- b. City or Town \_\_\_\_\_ c. State \_\_\_\_\_ d. Zip Code \_\_\_\_\_
- e. Phone Number \_\_\_\_\_
- f. Email address (if available, not required) \_\_\_\_\_

**2. FACILITY INFORMATION**

- A. Primary Standard Industrial Classification (SIC) Code: \_\_\_\_\_  
Secondary SIC Codes: \_\_\_\_\_
- B. Nature of business: (provide a brief description) \_\_\_\_\_  
\_\_\_\_\_
- C. Is this a proposed or existing facility? \_\_\_\_\_  
Does this facility currently have a VPDES permit? Yes \_\_\_\_ No \_\_\_\_  
If yes, give permit number. \_\_\_\_\_  
Does this facility currently have a VPA permit? Yes \_\_\_\_ No \_\_\_\_  
If yes, give permit number. \_\_\_\_\_
- D. Describe any type of wastewater treatment or reuse/recycle system(s); identify any system(s) which operate only in a "no discharge" mode: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
If settling basins are used for treatment and control of process wastewater or process wastewater and commingled storm water, indicate the date of construction for all basins receiving the listed wastewater.  
\_\_\_\_\_  
\_\_\_\_\_  
Are these basins lined with concrete or any other impermeable materials? Yes \_\_\_\_ No \_\_\_\_

REGISTRATION STATEMENT FOR GENERAL VPDES PERMIT  
CONCRETE PRODUCTS FACILITIES

Page 2

E. Are there vehicle/equipment maintenance or repair activities on site?

Yes \_\_\_\_ No \_\_\_\_

If yes, is there any process wastewater generated from these activities? Yes \_\_\_\_ No \_\_\_\_

F. Will this facility discharge non-contact cooling water from a geothermal unit or other system?

Yes \_\_\_\_ No \_\_\_\_ If "Yes", describe the source of non-contact cooling water \_\_\_\_\_

G. Are any chemical additives used in the geothermal or other system which discharges non-contact cooling water? Yes \_\_\_\_ No \_\_\_\_ If "Yes", complete a, b, c and d.

a. List the chemical additive to be employed and its purpose; \_\_\_\_\_

b. Give the proposed schedule and quantity of chemical usage, and the estimated concentration in the discharge; \_\_\_\_\_

c. Describe any wastewater treatment or retention (if any) to be provided during the use of the additives; \_\_\_\_\_ and

d. Attach a Material Safety Data Sheet (MSDS) and available aquatic toxicity information for each additive proposed for use.

H. Describe any measures employed to reclaim, reuse or dispose of the waste concrete materials.

\_\_\_\_\_  
\_\_\_\_\_

**3. FACILITY DRAWING**

Attach a schematic drawing showing the source(s) of water used on the property, the industrial operations contributing to or using water, and the conceptual design of the methods of treatment and disposal of wastewater and solids.

**4. MAP**

Attach a topographic map extending to at least one mile beyond property boundary. The map must show the outline of the facility, and the location of each of its existing and proposed intake and discharge points. Include all springs, rivers and other surface water bodies.

**5. DISCHARGE INFORMATION**

A. List all discharge outfalls by a number that is the same as on the map required in Question 4. Identify the processes which discharge through each outfall. Give the latitude, longitude (if available) and name of the waterbody receiving the discharge.

Outfall No.	Operation (Process)	Latitude/Longitude	Receiving Stream
-------------	---------------------	--------------------	------------------

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

REGISTRATION STATEMENT FOR GENERAL VPDES PERMIT  
CONCRETE PRODUCTS FACILITIES

Page 3

B. Estimate the flow in gallons per day (gpd) and identify the duration and frequency of the discharge for each separate discharge point:

Outfall No.	Daily Flow (gpd) Maximum / Average	Hours/Day	Days/Week
-------------	---------------------------------------	-----------	-----------

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**6. STORM WATER POLLUTION PREVENTION PLAN**

If your facility is a proposed one, as identified under Item 2.C, and includes storm water outfall(s), as identified under Item 5.A above, has a Storm Water Pollution Prevention Plan been prepared? Yes \_\_\_\_ No \_\_\_\_

**7. CERTIFICATION**

"I hereby grant to duly authorized agents of the Department of Environmental Quality, upon presentation of credentials, permission to enter the property where the treatment works is located for the purpose of determining compliance with or the suitability of coverage under the General Permit. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name of person signing above: \_\_\_\_\_  
(printed or typed)

Title : \_\_\_\_\_

**REQUIRED ATTACHMENTS:**

1. MSDS and available aquatic toxicity information for chemical additives used in cooling systems (if applicable, 2 F and 2 G above).
2. Facility Drawing
3. Topographic Map

**For Department use only:**

Accepted/Not Accepted by: \_\_\_\_\_ Date: \_\_\_\_\_

Basin \_\_\_\_\_ Stream Class \_\_\_\_\_ Section \_\_\_\_\_

Special Standards \_\_\_\_\_

[page intentionally left blank]

## **INSTRUCTION FOR COMPLETING THE REGISTRATION STATEMENT FOR THE GENERAL VPDES PERMIT FOR CONCRETE PRODUCTS FACILITIES (VAG11)**

### **WHO MUST FILE THE REGISTRATION STATEMENT**

This registration statement must be completed and submitted by any concrete products facilities requesting coverage under the above general permit for process wastewater discharges and/or regulated storm water discharges.

### **WHERE TO FILE THE REGISTRATION STATEMENT**

The completed registration statement with original signature, a copy of the fee form, and a copy of your check for the appropriate fee should be sent to the Department of Environmental Quality Regional Office for your area. The original fee form and the original check should be sent to Receipts Control at the DEQ's Richmond Office. The address to send the fee form and the check is provided in the Fee Form Instructions. The Regional Office for your area depends on the county in which the discharge is located. Regional office addresses can be obtained from our website at [www.deq.virginia.gov](http://www.deq.virginia.gov), or by calling the DEQ at (804) 698-4000.

### **COMPLETENESS**

Complete all items except where indicated, or enter NA for "not applicable" in order for your registration statement to be accepted. If you need more space than the form allows, write on and attach extra sheets of paper.

### **DEFINITIONS**

SIC Code mean the "Standard Industrial Classification" code listed in the Federal Office of Management and Budget (OMB) SIC Manual, 1987. SIC codes are used as identifiers of industries with certain characteristics. The SIC code for Concrete Block and Brick Facilities is 3271, the SIC Code for Concrete Products Facilities, Except Block and Brick is 3272, the SIC Code for Ready-Mixed Concrete Plants is 3273.

Storm water, for the purposes of this form, means storm water runoff that is regulated by the EPA and State storm water regulations. It refers to the runoff during storms that may come into contact with raw materials, products or waste materials from concrete products facilities.

Process wastewater is water that was used in the processing of concrete products, such as truck washout, truck wash-off, central mixer washout, washing of transport buckets, forms or other equipment, and non-contact cooling water from geothermal systems or other such systems. Process wastewater can also be generated from engine steam cleaning in the vehicle/equipment maintenance shop. Domestic sewage discharges are not covered by this general permit.

### **LINE BY LINE INSTRUCTIONS**

#### **Item 1. APPLICANT INFORMATION**

- Item A: Provide the name of the concrete products facility here.
- Item B: Provide the name of the person or corporation that owns the business. This does not have to be the owner of the building (e.g., if it is leased) but should be who is responsible for the business and wants coverage under the general permit.
- Item C: Provide the mailing address and phone number of the above person. Provide email (this is not required but helpful for future methods of communication).
- Item D: Indicate here the physical location of the facility if it can't be located from the mailing address.
- Item E: If someone other than the owner listed in item B runs the plant and is the person with whom business will be conducted, check **No**. Otherwise check **Yes**.
- Item F: If **No** was checked above, indicate the name of the person other than the owner who operates the facility.
- Item G: Provide the address and phone number of the person other than the owner here.

#### **Item 2. FACILITY INFORMATION**

- Item A: Provide the facility's primary and secondary SIC Codes. This general permit will cover a facility or portions of a facility where the primary purpose is classified as SIC Code 3271, 3272 or 3273. This general permit does not exclude coverage for a concrete products facility with a secondary industrial activity co-located on site as long as the secondary activity does not generate any point source discharge.
- Item B: Provide a brief description of the process activities. If the facility is a ready-mixed concrete plant, indicate if the plant is permanent or portable.
- Item C: Provide permit number for any valid VPDES permit or VPA permit/No Discharge Certificate held by the facility.

- Item D: Describe the type(s) of wastewater treatment employed, including reuse/recycle system(s). Identify any system(s) which operates only in a "no discharge" mode. Also identify the date of construction and liner installation of the settling basins. All settling basins that were constructed on or after February 2, 1998 are required to be lined with concrete or any other impermeable materials prior to commencing operation. DEQ requires that liners have a maximum coefficient of permeability of  $1 \times 10^{-6}$  cm/sec. It is recommended that soil used as liners be capable of achieving a maximum coefficient of permeability of  $1 \times 10^{-7}$  cm/sec or less. Total soil liner thickness should be one foot after compaction of two separate lifts of equal thickness. Synthetic liners are not recommended due to their tendency of puncture. If concrete is used, a minimum thickness of one foot reinforced concrete is recommended.
- Item E: Identify if there are any vehicle/equipment maintenance activities on site. This includes equipment repair and maintenance (oil changes, etc...) and activities such as engine steam cleaning. Also indicate if there are any process wastewaters produced as a result of these activities.
- Item F: Indicate if the facility discharges any cooling water from a geothermal unit or other system. Also describe the source of the cooling water if applicable.
- Item G: The use of any chemical additives, except chlorine, without prior approval is prohibited under this general permit. You should list all chemicals currently used or anticipated to use within the life of the permit term on the registration statement. Prior approval shall be obtained from the DEQ before any changes are made to the chemical usage in the geothermal or other system. The MSDS and available aquatic toxicity information for each additive used may be obtained from the manufacturer of the chemical additives.
- Item H: Describe measures used by the facility to reclaim, reuse or dispose of the waste concrete materials. The general permit restricts waste concrete reclamation to a designated area and prohibits any untreated discharge from this area to surface water.

### **Item 3: FACILITY DRAWING**

A schematic drawing should show the source(s) of water used for production, the industrial operations contributing to or using water, and the conceptual design of the methods of treatment and disposal of wastewater and solid materials (such as solids from the settling basins and waste concrete materials). If a liner is installed in the settling basin(s), the drawing should reflect its specifications.

### **Item 4: MAP**

Map should be legible and of sufficient scale to show the required features with the site boundaries clearly marked.

### **Item 5: DISCHARGE INFORMATION**

List all discharge outfalls by a number, such as 001, 002, etc. Provide latitude and longitude if available. Daily flow has been moved from 5A to 5B. Discharge to the receiving stream may be through a municipal separate storm sewer system. In such cases, identify the receiving stream with a footnote recognizing the owner of the municipal separate storm sewer system which the outfall discharges through.

### **Item 6: STORM WATER POLLUTION PREVENTION PLAN**

For proposed facilities including storm water outfall(s), a Storm Water Pollution Prevention Plan shall be prepared and implemented on or before the date of submission of the registration statement.

### **Item 7: CERTIFICATION**

All registration statement shall be signed as follows:

1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
3. For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.